INTERMOUNTAIN STATION
Central Reference File
No. 0.73

U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION
Columbus, Ohio

Station Note
No. 20

December 8, 1934

MAR 14 1957

A BLACK WALNUT VOLUME TABLE FOR CONTENTS IN BOARD FEET

Plantation Black Walnut
(Juglans nigra Linn.)
Central States Region

L. F. Kellogg

1932

Scribner Rule
8.0" top d.i.b.

Diameter breast high		Total Height in Feet						Basis: No. of trees
		40	50	60	70	80	90	
		Volume in board feet						
Inches (o.b.)	(i.b.)							
10	8.5			17	18	20		2
11	9.4	19	21	25	31	40	48	26
12	10.3	25	31	42	52	62	72	29
13	11.1	38	48	60	72	84	96	27
14	12.0	54	65	78	92	105	120	16
15	12.9	68	81	95	110	127	145	16
16	13.8	83	96	112	130	150	170	13
17	14.7		112	130	152	175	200	10
18	15.6		129	150	174	201	230	6
19	16.4		148	172	200	230	262	4
20	17.3			195	227	261	297	2
21	18.2			220	255	293	332	1
22	19.1			245	284	325	368	1
23	20.0				313	359	405	-
Basis: No. of Trees		-	12	39	77	24	1	133

Trees measured by the Central States Forest Experiment Station in Kentucky, Indiana, Illinois and Iowa. Stump height 1.0 ft. Top diameter inside bark 8.0". Scaled in 12-ft. log lengths with trimming allowance of 0.3 ft. Additional top sections scaled as fractions of a 12-ft.-8.0" log. Trees with less than 1 log scaled down to a 6-ft. section. Aggregate deviation: Chart is 0.04% low. Average percentage deviation on 125 trees, 11.7" and over in D.B.H., 10.3%. Block indicates extent of basic data. Prepared by the alinement chart method.

This is the fourth of five volume tables for plantation black walnut, prepared from the study of walnut throughout the Central States.